

WHAT IS CLAIMED IS:

- Sub B
1. A grid comprising drawn polymeric strips in at least two different directions, with the strips being bonded together in at least one zone of overlap, wherein said at least one zone of overlap comprises at least two spatially separated bonding points or lines.
  - Sub E
  2. A grid according to claim 1, wherein said at least one zone comprises three or more spatially separated and parallel bonding lines.
  - Sub A
  3. A grid according to claim 1, wherein said at least one zone comprises at least one bonding point or line at or near each of the angular points of the at least one zone.
  4. A grid according to claim 1, wherein the width of the points or lines is 5 mm or less.
  5. A grid according to claim 4, wherein the width of the points or lines is 3 mm or less.
  - Sub E
  6. A grid according to claim 1, wherein the bonding points or lines are welded by means of a laser.
  - Sub A
  7. A grid according to claim 1, wherein the strength of a part of each bonding point or line at the edge of the at least one zone of overlap is lower than the strength of a part of each bonding point or line at and near the center of the at least one zone of overlap.
  8. A grid according to claim 1, comprising, at the at least one zone of overlap, an upper strip, a lower strip, and a third strip sandwiched between and bonded to said upper and lower strips, said upper and lower strips running in substantially the same direction as each other and crossing said third strip.
  - Sub E
  9. A process for manufacturing the grid according to claim 1, comprising placing at least two strips one on top of the other, pressing the at least two strips together, and heating with a radiation source emitting electromagnetic radiation, wherein the strip that faces the radiation source is at least partially transparent to the radiation, while at the points where the strips are bonded together, the material absorbs said radiation.
  10. A process according to claim 9, wherein the strip facing the radiation source is made entirely of transparent material.

11. A process according to claim 9, wherein the strip facing the radiation source comprises at least two different materials.
12. A process according to claim 9, wherein the radiation source used is a laser.

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